20000812.qrp v01_n911.qrl.20000812

Date: Sat, 12 Aug 2000 19:03:06 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1911

QRP-L Digest 1911

Topics covered in this issue include:

  1) [77167] Re: PROP- Auroral effects in Anchorage de AL7FS
     by Dave Marling <dbm@klis.com>
  2) [77168] [PROP] Weekend conditions
     by "Paul Harden, NA5N" <na5n@rt66.com>
  3) [77169] Re: OT Airplane
     by K2UD@aol.com
  4) [77170] Re: OT Airplane
     by Niels Jensen Kristjansson <nkristja@cadvision.com>
  5) [77171] Inverted Vee
     by david sarraf <david.sarraf@paonline.com>
  6) [77172] hubless connectors
     by "Paul Helbert, Wv3j" <phelbert@rica.net>
  7) [77173] commands question
     by "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
  8) [77174] NC-20 Pix
     by "John J. McDonough" <wb8rcr@arrl.net>
  9) [77175] Fox Hunt Luck
     by "Karl F. Larsen" <k5di@zianet.com>
 10) [77176] Re: commands question
     by GElam30092@aol.com
 11) [77177] Re: commands question
     by "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
 12) [77178] RE: Teaching 5 WPM Code
     by Arthur Laurent <ALaurent@npr.org>
 13) [77179] Re: commands question
     by John Wagner <john@neknetwork.com>
 14) [77180] Re:Jumping P-TICKs
     by AD6JY@aol.com
 15) [77181] Article Published
     by Chris Trask <ctrask@primenet.com>
 16) [77182] 30 Meters
     by ac5ez@webtv.net (K1zw)
 17) [77183] Ham Radio Links
     by ARDUJENSKI@aol.com
 18) [77184] Ham Radio Links (with URL)
     by ARDUJENSKI@aol.com
 19) [77185] Re: Dremel Cut-off Wheels- Reinforced

    by "JC Smith" <jc-smith@worldnet.att.net>
20) [77186] PA activation of the Appalachian Trail
    by "Ron Polityka" <wb3aal@fast.net>
21) [77187] QRP Expeditions
    by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
22) [77188] Re: [PROP] Weekend conditions
    by "Ed Nelson" <edxnelson@home.com>
23) [77189] Re: Jumping P-TICKs
    by Tom M <tjmc@erols.com>
24) [77190] FS qrp rigs
    by RangerSF5@aol.com
25) [77191] Contest idea
    by "Russ Hines" <radioruss@fuse.net>
26) [77192] Re: PA activation of the Appalachian Trail
    by "Karl F. Larsen" <k5di@zianet.com>
27) [77193] FW: WWV-Message
    by "Ed Tanton" <n4xy@att.net>
28) [77194] Re: Wnated: LED SWR Indicator Circuit
    by Dan Tayloe <dtayloe@home.com>
29) [77195] ultimate qrp antenna ??
    by "Walt Amos" <waltk8cv@surfree.com>
30) [77196] FS: Kenwood TS-940sat and TS-570D(G)
    by Marty <N5NW@midsouth.rr.com>
31) [77197] Re: FW: WWV-Message
    by Richard Brittingham <rbritt@visi.net>
32) [77198] OT: links
    by David Heintzleman <pstrdave@kdsi.net>
33) [77199] Re: ultimate qrp antenna ??
    by "Mike Yetsko" <myetsko@insydesw.com>
34) [77200] Re: OT: links / Inability to access DX Summit
    by Dave Sjolin <sjolin@swbell.net>
35) [77201] Aurora..
    by tailfeathers@juno.com
36) [77202] Re: OT: links / Inability to access DX Summit
    by "John J. McDonough" <wb8rcr@arrl.net>
37) [77203] Re: Aurora..
    by Dave Sjolin <sjolin@swbell.net>
38) [77204] Kenwood TS-140
    by Paul Womble <pwomble1@tampabay.rr.com>
39) [77205] OT - Huntsville AL Hamfest
    by "Frank Emens" <femens@hiwaay.net>
40) [77206] Iowa QRP Club at the Amana hamfest tomorrow Aug 13, 2000
    by "John Burnley" <burnleyia@home.com>
41) [77207] Re: Kenwood TS-140
    by "Karl F. Larsen" <k5di@zianet.com>
42) [77208] Buncha FT-243's
    by "kw3u@warwick.net" <kw3u@warwick.net>
43) [77209] RE: Buncha FT-243's

    by "Steven Blary" <sblary@bellsouth.net>
 44) [77210] Re: Teaching 5 WPM Code
    by "Gary Lee Phillips" <ka9nzi@arrl.net>
 45) [77211] Re: Teaching 5 WPM Code
    by Arjen Raateland <Arjen.Raateland@vyh.fi>
 46) [77212] K2 with ATU
    by "Mike Yetsko" <myetsko@insydesw.com>

Date: Fri, 11 Aug 2000 20:00:42 -0300
From: Dave Marling <dbm@klis.com>
To: al7fs@pobox.alaska.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77167] Re: PROP- Auroral effects in Anchorage de AL7FS
Message-ID: <3994859A.33ED628A@klis.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nice e-magazine, Jim. I went to look at the picture of the aurora and stayed to read most of the magazine - even the obits! Only things I couldn't find were the political cartoon and the comics.

Think I'll add it to my bookmarks.

Dave
VE1VQ
Southern end of Nova Scotia

Date: Fri, 11 Aug 2000 17:54:56 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@lists.gpfn.sk.ca, qrp-l@lehigh.edu
Subject: [77168] [PROP] Weekend conditions
Message-ID: <Pine.SUN.4.10.10008111727330.7444-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
We have a really unusual situation of a VERY quiet sun, yet repeating periods of minor to severe geomagnetic storming. This is the result of several coronal mass ejections (CME) in the past few days that have occured all by themselves ... that is, NOT associated with flares. But with or without flares, these CME's are smacking the earth with plenty of particles, high solar wind and changing magnetic field lines, all

the ingredients to keep our magnetic field wiggling at various storm levels throughout the weekend.

Plus, another large shockwave (>600 km/s) hit us a few hours ago, about 1900Z, which may be triggering another geomagnetic storm RIGHT NOW.

This does not mean the weekend will be a waste for HF. There will be periods of noisy, storm conditions, and fairly normal conditions between these events. The impossible part is predicting when these shockwaves will hit and when it will be quiet. So turn on your rigs and see for yourselves whether storming is in progress on 20M and below; 20M and above will not be much effected. In fact, the solar flux was 187 today and climbing for good propagation on the higher bands, and sufficient for 10M openings this weekend. 20M will be the "transition" band, in that it will see good propagation due to the higher solar flux, but may also experience the effects of the periodic geomagnetic storms.

Hopefully a nice quiet hole will occur sunday for the CQC Gold Rush thingie ... a nice 2 hour sprint.

If you want to know current band conditions prior to getting on the air, I recommend looking at: www.sec.noaa.gov/today.html

Scroll down past the x-ray plots to the SATELLITE ENVIRONMENT PLOTS. The bottom chart is a graphical showing of the K-index. If the current bar is RED, we're in a geomagnetic storm; YELLOW is active, and GREEN is normal conditions.

Pertinent excerpts of today's NOAA report follow with explanations.

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
> SDF NUMBER 224 ISSUED AT 2200Z ON 11 AUG 2000

> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100Z
> TO 11/2100Z: SOLAR ACTIVITY WAS LOW. FREQUENT C-CLASS FLARES
> OCCURRED, WITH FIVE REGIONS PARTICIPATING.

C-class flares are fairly small, hardly wiggling the x-ray monitors!

> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW
> TO MODERATE.

> IIA. GEOPHYSICAL ACTIVITY SUMMARY 10/2100Z TO 11/2100Z:
> THE GEOMAGNETIC FIELD WAS AT UNSETTLED TO SEVERE STORM LEVELS. A
> PROLONGED PERIOD OF STEADY SOUTHWARD IMF LASTING MORE THAN 24 HOURS
> FUELED THE DISTURBANCE. THE BZ MAGNITUDE WAS NEARLY CONSTANT NEAR 10
> NT.

IMF = interplanetary magnetic field. Normally, the field lines flow
from south to north, referenced to the Earth's N and S poles. But
the IMF shifted southward, or AGAINST our field lines, causing a strong
geomagnetic storm.

10NT = 10 nano-tesla's, a measure of the IMF field strength, and kinda
    strong, and of course pointed southward.

> AT APPROXIMATELY 1800Z, A SHOCK PASSED ACE AND ENDED THE NEAR
> STEADY-STATE OF THE SOLAR WIND. THE SOLAR WIND SPEED AND DENSITY
> WERE QUITE AVERAGE PRIOR TO THE SHOCK, BUT ATTAINED VALUES NEAR 600
> KM/S, AND 10 P/CC AFTER.

The K-index is measured and reported every 3 hours. This shock passage
has occured since the last K-index was reported (K=3), so the next K
index, to be reported in about 30 minutes, may be much higher as a result
of this shockwave arrival. That means another minor to major geomagnetic
storm is just now starting!

> THIS TRANSIENT MAY BE RELATED TO THE HALO CME OF 09 AUGUST.

> A SATELLITE PROTON EVENT AT GREATER THAN 10 MEV
> BEGAN AT 1650Z. THIS VERY SMALL EVENT REACHED A MAXIMUM OF 17 PFU AT
> 1655Z AND ENDED AT 1740Z. A SMALL PCA OF APPROXIMATELY 2.0 DB
> OCCURRED AT THULE CONCURRENT WITH THE PROTON EVENT.

This is the proton event I reported as just starting in my noon post.
Turns out, it didn't last long. Oddly, these protons were >10MeV,
meaning they are "relativistic" or traveling nearly at the speed of
light. At noon, I erroneously said they must be riding along with the
solar wind, until I noticed later they were >10MeV. >10MeV protons and
electrons are produced ONLY by large flares, NOT a CME. So where's the
flare that caused this? (read on)

> THE SOLAR SOURCE OF THE PARTICLES IS AS YET UNDETERMINED.

This is why NOAA made the above statement, because such energetic protons
are ONLY flare produced, but no big flares today.

It is believed today's high proton event (though short lived) was due to
a HUGE flare on the back side of the sun, probably near one of the poles,
that allowed some of the protons to fly through the sun's magnetic field
near the poles, where they are the weakest. If there *is* another planet
opposite the earth we never see (famous science fiction theory) ...
IT JUST GOT FRIED!

THE GOOD NEWS is this short duration proton event will have little effect
on messing up conditions worse for our friends in Alaska-Canada. No PCA

event is thus likely.

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
> EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS FOR THE NEXT THREE
> DAYS. EFFECTS FROM TODAY'S SHOCK, IN CONJUNCTION WITH THE
> PRE-EXISTING AND STILL CONTINUING SOUTHWARD IMF, SHOULD FURTHER
> EXTEND THE CURRENT DISTURBANCE. LOCAL NIGHTTIMES SHOULD SEE THE
> PERIODS OF THE STRONGEST ACTIVITY.

Gosh, that pretty well says it all :-)

> IV. PENTICTON 10.7 CM FLUX
> OBSERVED   11 AUG 187
> PREDICTED   12 AUG-14 AUG 195/200/205

High solar flux levels for this weekend, at least.

> V. GEOMAGNETIC A INDICES
> OBSERVED AFR/AP 10 AUG 016/023
> ESTIMATED AFR/AP 11 AUG 050/060 <----- today's ESTIMATED A-index: STORM

> PREDICTED AFR/AP 12 AUG-14 AUG 020/025-020/020-020/020

Estimated A-indexes in the 20's based on only minor storms this weekend.

Date: Fri, 11 Aug 2000 21:04:38 EDT
From: K2UD@aol.com
To: k5di@zianet.com
Cc: qrp-l@lehigh.edu
Subject: [77169] Re: OT Airplane
Message-ID: <e0.866a066.26c5fca6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Strange! It's clear to see how the bolt went through the plane and to the ground. Usually, plane/lightning encounters actually mean that static bled off the plane, that is, the lightning originated from the plane and worked its way out instead of lightning actually hitting the plane proper. This plane must have just been "in the way!"

Dun't matter, still wouldn't want to be in it.

Howard Kraus, K2UD

Date: Fri, 11 Aug 2000 19:07:49 -0600
From: Niels Jensen Kristjansson <nkristja@cadvision.com>
To: qrp-l@Lehigh.EDU
Subject: [77170] Re: OT Airplane
Message-ID: <1.5.4.16.20000811185727.1a37c0ae@cadvision.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi Karl es gang,

Impressive picture and a big bang to go along with it for sure. =20

Looking very spectacular it is not as bad as it may seem at first,=20
lightning does cause damage to aircraft and there is no way around=20
it due to the nature of the enviroment the aicraft operate in.=20

The most damage to an aircraft is usually done where the lightning=20
enters and leaves the airframe, this is often not one point but can=20
be many. As one can expect these points are the "pointy" ends like=20
the wingtips, nose, tail, etc. but the airframe is usually metal=20
(aluminium) and the components are well bonded electrically with=20
resistance in the mOhm (milli Ohm) range and can handle a good deal
of current since the aluminium is not a bad conductor. =20

The aircraft acts as a Faraday cage and most of the current travels on=20
the outside of the airframe ie. the skin. To prevent static buildup=20
on the airframe, that affects lower frequency navigational equipment=20
such as ADF (Automatic Direction Finder 200 kHz to 2000 kHz), there are=20
numerous "statick whicks" on the trailing edges of the wings, tail and=20
control surfaces. The static wicks often take a beating during a lightning
strike as they act as some of the exit points. =20

Due to the intense current and the magnetic field that goes along with=20
it things can get magnetized causing compass errors and disrupt voltage
regulation causing fluctuation that some of the equipment react to by=20
freezing up and have to have the power cycled off and on to bring them=20
back on line, some boxes do not always survive though. =20

The older 747=B4s, that have the HF antennas in the trailing edge of the=20
wingtips, have a lightning arrestor between the antenna coupler and the=20
antenna itself as this is a common point of lightning entry and exit. =20

As for the composite components of a modern aircraft there are metal strips embedded in them and bonded to the airframe. I have only scratched the surface of this topic, extensive studies have been done on this due to the safety factors involved.

Hope I didn=B4t bore anyone.

72 de Niels J. Kristjansson
  =20
      VE6NJK/TF3NJ

PS: HF antenna at 35000 feet works very well indeed.....

At 06:17 11/08/00 -0600, you wrote:
>
>   The most amazing thing I have ever seen. A 747 being hit by
>lightning on takeoff! see it at:
>
>http://lightning.pwr.eng.osaka-u.ac.jp/lrg/temp/plane.html
>
>The plane just kept taking off and the pilot said he just had to re-set a
>few instruments. Amazing.=20
>
>

Date: Fri, 11 Aug 2000 21:19:30 -0400
From: david sarraf <david.sarraf@paonline.com>
To: ARDUJENSKI@aol.com, qrp-l@lehigh.edu
Subject: [77171] Inverted Vee
Message-ID: <3994A622.55D83B64@paonline.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> In Noll's book 73 Vertical, Beam and Triangle Antennas he shows a 40M
> inverted vee with a director /reflector spaced about 20ft apart. The
> director/reflector is a 61ft 8 in wire with 3ft 4 inch wires on each
end that
> can be added in for reflector ops or un attached for use as a
director.

I have an inverted vee antenna at the end of my house tacked on the trim strip just beneath the shingles. The feedline follows an existing mast down to the ground and through the wall into the cellar. The resulting antenna hugs the house and is reasonably stealthy. It might be possible to convert it to a stealth beam by stringing a length of wire along the roof parallel to the inverted vee but about 20 feet back from the roof edge.

This should be simple to test. I will report back if I get time to try it.

Dave Sarraf

Date: Fri, 11 Aug 2000 21:53:10 -0400
From: "Paul Helbert, Wv3j" <phelbert@rica.net>
To: Low Power Discussion Group <qrp-l@Lehigh.EDU>
Cc: George Gingell <k3tks@u1.abs.net>
Subject: [77172] hubless connectors
Message-ID: <3994AE06.F19F9DD8@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Danny,

Fernco maybe?

Here in the Shenandoah Valley of Virginia, if I ask for a hubless connector they look blank. "No hub" connector gets it every time.

Aren't words fun!

Paul, Wv3j

Date: Fri, 11 Aug 2000 21:03:11 -0500
From: "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
To: "qrp reflector" <qrp-l@Lehigh.EDU>
Subject: [77173] commands question
Message-ID: <000101c00401$7ada9e40$b5370b3f@default>

I need to take a short break, To stop I enter <suspend> but how do I start up again?

Mike in Minnesota

Date: Fri, 11 Aug 2000 22:11:37 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77174] NC-20 Pix
Message-ID: <01a501c00402$a67f9a40$010044c0@Conor.baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey gang - I just added a couple pictures of NC-20 mods to my NC-20 page. Wander on over and have a gander. The bands don't seem to be any count tonite! Might as well veg on the net.

72/73 de WB8RCR   http://members.home.com/wb8rcr/index.htm
didileydadidah   QRP-L #1446 Code Warriors #35

Date: Fri, 11 Aug 2000 20:19:06 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [77175] Fox Hunt Luck
Message-ID: <Pine.LNX.4.10.10008112018360.2343-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This Summer FOX Hunt is the first of this type I have entered and it's been real fun and to this date I have all the pelts. I have worked the FOX from home where a beam has helped, and from my trailer at 8200 feet amsl in the Gila National Forest using a center-fed-dipole and from the mobile rig coming home from Fort Tuthill Hamfest.

Thursday last I worked Doc with ease and began to wonder about begineer's luck. So far I have had zero trouble hearing the FOX, and working him is just being persistant.

My luck may change Sunday when the FOX is going to be in a too close location to the west of me in AZ. I plan to have my low center-fed-dipole and beam tuned up, and my mobile with it's small Ham Stik antenna ready to catch any part of K7QO from Prescot,AZ. I am real worried about being skunked Sunday, but if so it will be a learning experiance.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 11 Aug 2000 22:17:03 EDT
From: GElam30092@aol.com
To: michaelbstjames@email.msn.com, qrp-l@lehigh.edu
Subject: [77176] Re: commands question
Message-ID: <9f.940b36a.26c60d9f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 8/11/00 7:03:31 PM US Mountain Standard Time, michaelbstjames@email.msn.com writes:

<< I need to take a short break, To stop I enter <suspend> but how do I start up again? >>

SET QRP-L MAIL ACK

Have a good break....
Gerry

Date: Fri, 11 Aug 2000 21:27:28 -0500
From: "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
To: <GElam30092@aol.com>, <qrp-l@lehigh.edu>
Subject: [77177] Re: commands question
Message-ID: <00a101c00404$dcf99ba0$b5370b3f@default>

Thanks, everybody for the info. Taking a short break .... be back soon.

Mike in Minnesota

Date: Fri, 11 Aug 2000 22:38:27 -0400
From: Arthur Laurent <ALaurent@npr.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Cc: "'aa4lr@radio.org'" <aa4lr@radio.org>
Subject: [77178] RE: Teaching 5 WPM Code
Message-ID: <64ACCD0E0722D411AB6000400B40CE213D11E4@npr-01-msg.npr.org>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

Bill asks for the URL to Smithsonian Web Page on Morse. The best I could do on short notice was a pointer to it, at:

http://lcweb2.loc.gov/ammem/atthtml/morse2.html

You can click on the tape and get a closer look. The other pages will take you to a bit more info about Samuel F. B. Morse. (BTW, wouldn't you have thought a guy with middle names begging with "F" and "B" would have made those a little SHORTER to send in CW? <g>)

<...the speed must not have been in excess of 50 wpm, as operators were able to copy by ear...

I thought people could copy faster than that by ear. Couldn't the fastest-sending guy in the world do 70 wpm? (Of course, he DID use a Bug... <g>)

Art

Date: Fri, 11 Aug 2000 22:35:45 -0400
From: John Wagner <john@neknetwork.com>
To: michaelbstjames@email.msn.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77179] Re: commands question
Message-ID: <3994B801.94F0FF1C@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

The most common commands for the list are found here:
http://qrp.lehigh.edu/lists/qrp-l/join.html

The entire list of commands are found here:
ftp://qrp.lehigh.edu/pub/listserv/qrp-l/welcome.txt

The answer to your question specifically is:
Send and email to: listserv@Lehigh.EDU
In the body of the message have the following: SET QRP-L MAIL POSTPONE

73,

John, KB1ENS
QRP-L WebMaster

Mike N WDM wrote:
>
> I need to take a short break, To stop I enter <suspend> but how do I start
> up again?
>
> Mike in Minnesota

--
John Wagner - john@neknetwork.com
Web page: http://www.neknetwork.com
Personal Web page: http://www.together.net/~jwag

Date: Fri, 11 Aug 2000 23:12:31 EDT
From: AD6JY@aol.com
To: qrp-l@lehigh.edu
Subject: [77180] Re:Jumping P-TICKs
Message-ID: <20.a003045.26c61a9f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thanks for all the helpful suggestions on how to keep my P-TICK in one place

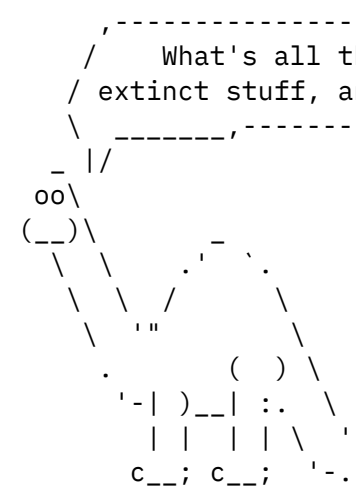
Dan
AD6JY

Date: Fri, 11 Aug 2000 20:17:07 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [77181] Article Published
Message-ID: <Pine.BSI.3.96.1000811201537.4044D-100000@usr09.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just received my two complimentary copy of the September issue of Electronics World. I have a feature article on my series/shunt feedback mixer on pages 680-685.

Chris



High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Fri, 11 Aug 2000 22:18:39 -0500 (CDT)
From: ac5ez@webtv.net (K1zw)
To: qrp-l@lehigh.edu
Subject: [77182] 30 Meters
Message-ID: <1209-3994C20F-1410@storefull-116.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Just put the Oak Hills Explorer 2 (just acquired) on the air and had a nice qso with N6sl .Its a really nice rig and fun to use at 3 watts.

K1zw
Larry
SOC #386
Qcwa

Date: Sat, 12 Aug 2000 00:42:09 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [77183] Ham Radio Links
Message-ID: <63.9abff20.26c62fa1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

This is a good page to bookmark. Really good links.
Alan KB7MBI

Date: Sat, 12 Aug 2000 00:49:30 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [77184] Ham Radio Links (with URL)
Message-ID: <20.a01e6b1.26c6315a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

This is a good page to bookmark. Really good links.
Alan KB7MBI

http://members.iquest.net/~mjmanship/ham.htm

Date: Sat, 12 Aug 2000 03:54:54 -0700
From: "JC Smith" <jc-smith@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77185] Re: Dremel Cut-off Wheels- Reinforced
Message-ID: <010801c00451$1e54a620$c546480c@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just a suggestion to anyone who has been inspired by all this talk of cut-off tools to go out and buy one. If you want a quality tool, be sure to look at the Foredom units. They have numerous styles. They are available from gunsmith supply houses such as Brownells. I'm sure other places have them as well.

72 - JC,k0hps@amsat.org

Date: Sat, 12 Aug 2000 07:46:12 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". NJ QRP-L" <njqrp@njqrp.org>, ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [77186] PA activation of the Appalachian Trail
Message-ID: <00c601c00452$eadaa180$a95c5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Today Ed, WA3WSJ and myself WB3AAL will be activating the Appalachian Trail. We should be there and setup sometime around 11 AM. We will be using Ed's K2, I will not be taking a radio.

Between 11 AM and 12 Noon, Ken, N2CQ will be arriving to also help us activate the trail.

Since the bands are a little strange and there is a DX contest on today look for us calling CQ AT around the standard QRP freq. We will try to put the trail on most of the bands. We will also take request for SSB QSO's if you want one or just look for us on SSB.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.n3epa.org
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1 NJ QRP #179
KL7 QRP # 309 G-QRP # 3031
ARCI QRP # 5318 10 - X #13173
NorCal Zombie #625
ARS # 380 HI QRP #153
VA QRP Society #45 MI QRP #1703
K2 sn1392

Date: Sat, 12 Aug 2000 07:25:12 -0500
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>
To: qrp-l@lehigh.edu
Subject: [77187] QRP Expeditions
Message-ID: <DMCLLPIGNFJFAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

All,

Look for me on or about 14.060 this coming Monday through Friday from Cooke City, Montana, as I will be on a backpacking/fishing/QRP'ing trip with my Dad. QRP'ing is secondary to fishing, but I will be getting on some with my DSW-20 and 1/4 wave GP.

Hopefully I won't be fighting fires as well!

73,
Joel NF9K

Joel Kluender, NF9K
870 Prairie Street S.
Shakopee, MN 55379

Great is the Lord, and worthy of praise!

Join 18 million Eudora users by signing up for a free Eudora Web-Mail account at http://www.eudoramail.com

---

Date: Sat, 12 Aug 2000 10:02:18 -0400
From: "Ed Nelson" <edxnelson@home.com>
To: <na5n@rt66.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77188] Re: [PROP] Weekend conditions
Message-ID: <03ed01c00465$ed8b20e0$2c490b18@prntn1.nj.home.com>

Paul's reports are great information, and a big help in understanding what's causing the crazy band conditions we've been having. I'd also like to suggest that even during solar storms there can be interesting and exciting propagation. On more than one occasion I've heard unusual DX pop out of the noise for a few minutes during the height of a storm. In these unusual conditions you have to be in the right place at the right time, but if you are it can be very exciting. I still remember a solar storm a few cycles back when, on a very noisy and apparently dead 15 meters, I worked a JT on a short end fed wire and a then new Argonaut, SSB.
Don't give up on a band just because it's noisy and apparently dead. You never know what will claw its way out of that noise.
Ed.....W4EN

----- Original Message -----
From: Paul Harden, NA5N <na5n@rt66.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Friday, August 11, 2000 7:54 PM
Subject: [PROP] Weekend conditions

>
> Gang,
> We have a really unusual situation of a VERY quiet sun, yet repeating
> periods of minor to severe geomagnetic storming. (etc.)

Date: Sat, 12 Aug 2000 10:38:24 -0400
From: Tom M <tjmc@erols.com>
To: AD6JY@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [77189] Re: Jumping P-TICKs
Message-ID: <39956160.4748E062@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Any suggestions on how to restrain the paddles and still keep them
> portable?

>
> Dan
> AD6JY

Dan,
With one of my small paddles, I used magnetic (flexible) sheets like the kind on small ad cards nowdays... stuck it on the bottom and the paddle held firm; of course I had a metal bracket to put it on attached to my clip-board.

I've seen another ham use "silly puddy" on a wood table under his key.

best
Tom aa2vk

--
```
     ******************************************
     *   Member of NorCal, NJQRP, SGCI          *
     *                                          *
     *   Personal web page : WWW.EROLS.COM/TJMC  *
     ******************************************
```

Date: Sat, 12 Aug 2000 11:06:02 EDT
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [77190] FS qrp rigs
Message-ID: <c1.5f62a78.26c6c1da@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Everyone,
I have the following qrp rigs for sale.
1 ARK-20-M with a built in keyer,CW filter,RIT,EX. Speaker jack and was updated by S&S.
The rig is spotless and factory built.......$225.00 plus shipping
ARK -4 (Not the ARK 40)
Also has a built in keyer,CW filter,TX/RX RIT,RX RIT,keyer speed control and 2 key jacks.....$125.00
Wilderness NC 40-A with 5 watt mod,KC-1 keyer,RIT /w/on off switch.
Only has the 1 K pot.
.....$150.00.
Prices do not include shipping.
Please *E* mail direct.
Thank You
Bob

WA2HOQrp <tm>

Date: Sat, 12 Aug 2000 11:20:29 -0400
From: "Russ Hines" <radioruss@fuse.net>
To: <n1tp@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77191] Contest idea
Message-ID: <00b101c00470$da7f54c0$2b2344d8@rbhines>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: tom palmer <n1tp@worldnet.att.net>

> Hi, Gang:
>
> The best indication how poor band conditions were on 20
> in Hunt 11 is that W0CH, Dave, in Missouri, snapped
> his long running hitting streak. Dave must feel like Joe Dimaggio!?
> Dave bagged 40 of 40 pelts in last Winter's 40 meter hunts.

Now, THAT has the makings of a great weekend contest... 40 on 40!

It could be 40 pelts (although 40 foxes on the air simultaneously could be much), collect 40 Zombie numbers, QRP-L numbers, whatever.

Of course, it's perfectly extensible... 20 on 20, 10 on 10 (short contest).

Then again, the 80 on 80 might take some time. ;-)

Chime in.

73,
Russ
WB8ZCC

Date: Sat, 12 Aug 2000 09:27:46 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Ron Polityka <wb3aal@fast.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77192] Re: PA activation of the Appalachian Trail
Message-ID: <Pine.LNX.4.10.10008120926510.730-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If your going to work ssb you better decide on a frequency. Even
if it gets busy we will know where to look.

On Sat, 12 Aug 2000, Ron Polityka wrote:

> Hello,
>
> Today Ed, WA3WSJ and myself WB3AAL will be activating
> the Appalachian Trail. We should be there and setup sometime
> around 11 AM. We will be using Ed's K2, I will not be taking a radio.
>
> Between 11 AM and 12 Noon, Ken, N2CQ will be arriving to also
> help us activate the trail.
>
> Since the bands are a little strange and there is a DX contest on today
> look for us calling CQ AT around the standard QRP freq. We will try to
> put the trail on most of the bands. We will also take request for SSB QSO's
> if you want one or just look for us on SSB.
>
> 72 & 73
> Good DXing
>
> Ron Polityka
> de WB3AAL
> wb3aal@fast.net
>
> vvv Eastern Pennsylvania QRP Web Page vvv
> http://www.n3epa.org
> Eastern Pennsylvania QRP Club Call
> N3EPA E-mail address: n3epa@fast.net
>
> EPA QRP #1 NJ QRP #179
> KL7 QRP # 309 G-QRP # 3031
> ARCI QRP # 5318 10 - X #13173
> NorCal Zombie #625
> ARS # 380 HI QRP #153
> VA QRP Society #45 MI QRP #1703
> K2 sn1392
>
>

>
>

Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sat, 12 Aug 2000 11:32:26 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Cc: "CW Reflector" <cw@qth.net>, "SWL Reflector" <swl@qth.net>
Subject: [77193] FW: WWV-Message
Message-ID: <CKEGICNFDIMCEKEDCEHFEEKJDJAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="us-ascii"
Content-Transfer-Encoding: 7bit

Speaks for itself... especially the last line.

73 Ed Tanton <n4xy@arrl.net>

website: http://www.qsl.net/n4xy/

-----Original Message-----
From: owner-wwv-list@sec.noaa.gov [mailto:owner-wwv-list@sec.noaa.gov]On
Behalf Of Anonymous FTP user
Sent: Saturday, August 12, 2000 11:20 AM
To: wwv-list-send@dawn.sec.noaa.gov
Subject: WWV-Message

:Issued: 2000 Aug 12 1520 UT
Prepared by the U.S. Dept. of Commerce, NOAA, Space Environment Center.
#
Geophysical Alert Message
#
Solar-terrestrial indices for 11 August follow.
Solar flux 187 and Boulder A-index 56.
The Boulder K-index at 1500 UT on 12 August was 5 (96 nT).

Solar-terrestrial conditions for the last 24 hours follow.
Solar activity was moderate.
The geomagnetic field was at unsettled to severe storm levels.

A major geomagnetic storm began at 0900 UT on 10 Aug.
A satellite proton event ENDED at 1740 UT on 11 Aug.

The forecast for the next 24 hours follows.
Solar activity will be low to moderate.
The geomagnetic field will be at active to major storm levels.

Date: Sat, 12 Aug 2000 08:36:10 -0700
From: Dan Tayloe <dtayloe@home.com>
To: Firefox@Southwind.net, qrp-l <qrp-l@Lehigh.EDU>
Subject: [77194] Re: Wnated: LED SWR Indicator Circuit
Message-ID: <39956EEA.279D455C@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>Would any of you know if there is a circuit to add a LED SWR indicator to a
>tuner, as per ZM2 or BLT ?
>I would like top try to add one if possible.

Bob Hightower has the schematic of my LED SWR bridge on his homepage at

http://www.extremezone.com/~nk7m/n7veswr.htm

The second schematic includes a simplier RF transformer that Jim, W7LS
came up with that works just as well as the first circuit. The circuit
features an rf voltage step up transformer to make the LED detection
more sensative for the releativly small reflected power signals that
QRPers work with.

The second 1N914 diode in series with the LED is not necessary.

This circuit is being used in both the ZM2 and the BLT tuners, and can
be used with any tuner. However, it is intended for QRP levels only.
Tune the tuner for maximum signal strength on the receiver first, (to
get
in the ball park with the tuner), then tune for minimum LED brightness.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Sat, 12 Aug 2000 15:40:28 +0100
From: "Walt Amos" <waltk8cv@surfree.com>
To: "Posts Qrp-l" <qrp-l@lehigh.edu>

Subject: [77195] ultimate qrp antenna ??
Message-ID: <001901c0046b$4363ce40$85891b26@waltamos>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

http://www1.shore.net/~dmoisan/faqs/carpetloop.html

What more would any qrper want ..... ??

Walt Amos K8CV Royal Oak, MI k8cv@arrl.net

Date: Sat, 12 Aug 2000 10:48:58 -0500
From: Marty <N5NW@midsouth.rr.com>
To: qrp-l@Lehigh.EDU
Subject: [77196] FS: Kenwood TS-940sat and TS-570D(G)
Message-ID: <rlrapskgfj7isaoo6k04pbomqh73duc2u6@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Hi gang, trying to consolidate and lower the "big rig" quotient. =
Considering
overseas move next summer.

TS-940sat
Excellent radio but just too big for the apartment. This is the second =
one
I've had, and it's convinced me I need a bigger place or smaller radio. =
I
hate to give it up, but it's just too much radio.
     Very late serial number (003xxxx, manufactured March 1988) -- all the
          bugs are worked out of this production run.
     Kenwood 500Hz CW filters in each IF
     Built in autotuner
     New Operating and Service manual
     Hand mic
     Built-in power supply
     mW to QRO power, fully adjustable
     Just been to Avvid (authorized Kenwood and Icom service center) for a
          realignment and fix PLL unlock problem.
     Excellent condition, one scuff mark on the top cover, near the left rear
          corner.
     Original carton!

I've got $1,300 invested in this radio, but would sell for $1,150 shipped=
 UPS
ground in the continental US.

TS-570D(G)
Includes Kenwood 500Hz CW filter. Absolute mint condition. Just like it=
 came
out of the box. Power adjustable 5-100w in 5w increments. Audio DSP
filtering. The beat cancel function alone is amazing. Auto zero-beat
function. Hand mic, manual, power cord. Everything but the carton. =
Asking
$875 shipped UPS ground in the continental US.

Sell both radios to same buyer for $1,800 shipped.

Would consider trade for IC-746, FT-100 or FT-847. Looking for single
HF/VHF/(UHF?) radio.

--
Marty, N5NW
_____=
_____
Lakeland (Memphis), Tennessee   =
http://marty.w.tripod.com/
N5NW@midsouth.rr.com

Date: Sat, 12 Aug 2000 11:52:50 -0400 (EDT)
From: Richard Brittingham <rbritt@visi.net>
To: Ed Tanton <n4xy@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77197] Re: FW: WWV-Message
Message-ID: <Pine.GSO.3.96.1000812114948.522D-100000@ankara.visi.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks for the info..... I just received a new MFJ 20 meter qrp radio and
and experimenting with 20 meter indoor antenna for use in motel rooms when
I travel. I was wondering why everything I tried didn't get any
results..... I couldn't even hear anyone......

Back to the drawing board......

73/73

Richard
W4MCD
thanks for the WWV info..... (I couldn't hear them on my TS-430 either)

Date: Sat, 12 Aug 2000 16:40:09 +0100
From: David Heintzleman <pstrdave@kdsi.net>
To: qrp-l@Lehigh.EDU
Subject: [77198] OT: links
Message-ID: <39956FD9.696B185B@kdsi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, I'm on the net using netscape - last couple of days, internet
response been sluggish and when I bring up sites like QRP ARCI, ARRL,
the links on the page don't work when I try to click on them.
any ideas? I keep nothing in cache, so each time I'm loading the page
fresh. I also get an incomplete load on the mfj site, altho my browser
says the document is "done."

any ideas?
Dave K8BBM

Date: Sat, 12 Aug 2000 12:55:50 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <waltk8cv@surfree.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Cc: <dmoisan@shore.net>
Subject: [77199] Re: ultimate qrp antenna ??
Message-ID: <002b01c0047e$31502420$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Years ago, when the phone company was "THE" phone company,
and they had hysterical fits if they knew you even took off a junction
box cover to just look.... Anyway, they used to do a lot of custom
installations and generally were quite helpful.

Back in the 60's one installer left me with a roll of 'tape'. This tape
was used to go under carpets, and had 4 conductors. Kind of
neat. MUCH less of a physical 'bump' than almost anything else.

Nowadays, not much is thinner unless you go the window foil route.
I know, you COULD take up your carpet and mark out a huge
loop pattern on your floor... But lets not go there...

Mike

----- Original Message -----
From: Walt Amos <waltk8cv@surfree.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, August 12, 2000 10:40 AM
Subject: ultimate qrp antenna ??

> http://www1.shore.net/~dmoisan/faqs/carpetloop.html
>
> What more would any qrper want ..... ??
>
> Walt Amos K8CV Royal Oak, MI k8cv@arrl.net

Date: Sat, 12 Aug 2000 13:16:01 -0500
From: Dave Sjolin <sjolin@swbell.net>
To: pstrdave@kdsi.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77200] Re: OT: links / Inability to access DX Summit
Message-ID: <39959461.885D5D4B@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

David Heintzleman wrote:
>
> Hi, I'm on the net using netscape - last couple of days, internet
> response been sluggish and when I bring up sites like QRP ARCI, ARRL,
> the links on the page don't work when I try to click on them.
> any ideas? I keep nothing in cache, so each time I'm loading the page
> fresh. I also get an incomplete load on the mfj site, altho my browser
> says the document is "done."

When that starts happening to me with Netscape Communicator (4.6) I
normally dump the cache, exit Internet, exit windows, and reboot. That

normally takes care of it.

You might also check for .tmp files that are not closed properly and delete those.

Only problem that hasnt cured for me is that most of the time I can not access the DX Summit dx cluster. Even though the site is up, I cant even get to the web site. I think I have corrupted bookmarks or Netscape. Im going to reinstall this weekend. Any one have any thoughts on this?

Good luck and 73
de Dave, N0IT

Date: Sat, 12 Aug 2000 14:23:57 -0400
From: tailfeathers@juno.com
To: qrp-l@lehigh.edu
Subject: [77201] Aurora..
Message-ID: <20000812.142400.-4069065.1.tailfeathers@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I don't know what effect this has on the bands but at 41 degrees Latitude (NW Ohio) the sky at 4:00 AM was alive last night. 80 meters was busy at say 9:00 PM without any warble. Is it the aurora, or the aurora along with the sun activity that effects the bands?
Gary

_____
YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

Date: Sat, 12 Aug 2000 14:43:25 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77202] Re: OT: links / Inability to access DX Summit
Message-ID: <00b401c0048d$35f32180$010044c0@Conor.baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey guys, we probably should take the computer chat over to QRP-F

(http://www.e-discounter.net/qrparci/) before we get an endless thread of "well it mught be..." over here <g>

Besides, if you're using Communicator 4.6 you really want to read my note over there.

72/73 de WB8RCR http://members.home.com/wb8rcr/index.htm
didileydadidah QRP-L #1446 Code Warriors #35

-----Original Message-----
From: Dave Sjolin <sjolin@swbell.net>
Subject: Re: OT: links / Inability to access DX Summit

>When that starts happening to me with Netscape Communicator (4.6) I

Date: Sat, 12 Aug 2000 13:39:14 -0500
From: Dave Sjolin <sjolin@swbell.net>
To: tailfeathers@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77203] Re: Aurora..
Message-ID: <399599D2.91050209@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

tailfeathers@juno.com wrote:
>
> I don't know what effect this has on the bands but at 41 degrees Latitude
> (NW Ohio) the sky at 4:00 AM was alive last night. 80 meters was busy at
> say 9:00 PM without any warble. Is it the aurora, or the aurora along
> with the sun activity that effects the bands?
> Gary

There was a major Aurora last night visible in northern US. Seemed to peak about 3-4 AM CDT. Stations as far south as Lousiana were copying stations via aurora on two meters. I was able to work as far east as CT from here in MO. Not bad for low omnidirectional antenna.

Not sure about 80 meters but I believe 160 meter propagation is sometimes affected positively by aurora. Results in dx coming in from unusual directions.

Just goes to show that geomagnetic storm doesnt necessarily mean its

time to shut off the rigs.

73 de Dave, N0IT

Date: Sat, 12 Aug 2000 15:20:41 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77204] Kenwood TS-140
Message-ID: <3995A389.63CF635F@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There was some info sometime the last couple of weeks (I think) about using the Kenwood TS-140S at 5 watts or less. I cant seem to find the messages in the archives.

Anyone remember when that was? I have a 140S here...and trying to adjust output power.

Thanks
Paul AJ4Y

Date: Sat, 12 Aug 2000 14:41:21 -0500
From: "Frank Emens" <femens@hiwaay.net>
To: qrp-l@Lehigh.EDU
Subject: [77205] OT - Huntsville AL Hamfest
Message-ID: <200008121941.e7CJfP332327@mail.hiwaay.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

OT because I can't tell you that there will be a bunch of QRP related fora, but there is a good program lined up for the Huntsville Alabama Hamfest this coming Saturday and Sunday (8-19 & 8-20.)

Check the web site http://www.hamfest.org for information and plan to come!

Make it a point to accost anyone wearing a blue or green hamfest shirt and tell them how they should make QRP a more visible part of the hamfest in the future.

Make my day by volunteering to take the lead in arranging a real
QRP event for next year's hamfest.

73, Frank Emens, W4HFU
femens@hiwaay.net

Date: Sat, 12 Aug 2000 15:10:05 -0500
From: "John Burnley" <burnleyia@home.com>
To: <qrp-l@lehigh.edu>
Subject: [77206] Iowa QRP Club at the Amana hamfest tomorrow Aug 13, 2000
Message-ID: <000d01c00499$4e4dc1c0$1b790818@c149552-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Iowa QRP Club will be hosting a display table at the
Amana Summerfest (hamfest) tomorrow Sunday
August 13, 2000. Doors open at 8:00 am.

If you get the chance, stop by for some good old QRP
fellowship. In order to get to the hamfest
from Interstate 80 (east or west) take exit 225. Turn
north until you reach Highway 6. Turn right on Highway
6 until you get to Highway 151. Take Highway 151
north until you see the grounds of Summerfest 2000
(on your left).

Attention IAQRP'ers. Bring your projects for display!
It looks to be a good time and I hope to see you
there!

72, John NU0V

Date: Sat, 12 Aug 2000 15:02:42 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Paul Womble <pwomble1@tampabay.rr.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77207] Re: Kenwood TS-140
Message-ID: <Pine.LNX.4.10.10008121458430.1184-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Paul, I put a dummy load on my ts-140 with a power meter and I put the rig on cw and hit the key and then with the alc/pwr button in pwr I adjusted the PWR slidepot until the meter read 5 watts. I looked at the power meter and it said 5 watts too. So my meter in the ts-140 is accurate. Yours may be too, but you better chack it.

On Sat, 12 Aug 2000, Paul Womble wrote:

> There was some info sometime the last couple of weeks (I think) about
> using the Kenwood TS-140S at 5 watts or less. I cant seem to find the
> messages in the archives.
>
> Anyone remember when that was? I have a 140S here...and trying to
> adjust output power.
>
> Thanks
> Paul AJ4Y
>
>
>

Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sat, 12 Aug 2000 17:12:38 -0400
From: "kw3u@warwick.net" <kw3u@warwick.net>
To: "epaqrp-l@Lehigh.EDU" <epaqrp-l@Lehigh.EDU>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77208] Buncha FT-243's
Message-ID: <3995BDC6.1AA37368@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all:
     During the recent hamfest frenZy's I always descend upon xtals, so of course now time to part out the excesses.
    the first part are useful and working (on my Johnson Adventurer) dupes,
and FT-243 type. possibly someone has a use for them.
1. 7025
2. 7075

3.7085
4.7085
5. 7098
6. 7189
7. 7200
8. 7250
9. 7250
10. 7253
11. 7316
12. 7373
13. 7390
14. 7400
15. 7408
and another group of 14 ft243 cecor mfg 7300 thru 7425
and some assorted 6796,6300,6275,6375,12183,14808.
also two 160m xtals ft-243   pr 1817.7 & pr 1895.2.
If anyone(hopefully more than one has a use for these critters) please
get me direct for ur needs.
    Price is free, get out the bon-ami, toothpaste,and start grinding.
72 Jim kw3u

Date: Sat, 12 Aug 2000 17:32:05 -0400
From: "Steven Blary" <sblary@bellsouth.net>
To: <kw3u@warwick.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77209] RE: Buncha FT-243's
Message-ID: <LPBBJIAMMBMPCCNFNKPJOECACCAA.sblary@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim,

I could use # 1-5 on your list in the cw 40 meter band. I have an old
Knight T-60 that will use them 80 thru 6 meters. Any in the c portion would
be appriciated
Thanks Steve KD4LIV

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
kw3u@warwick.net
Sent: Saturday, August 12, 2000 5:13 PM
To: Low Power Amateur Radio Discussion
Subject: Buncha FT-243's

Hi all:
     During the recent hamfest frenZy's I always descend upon xtals, so
of course now time to part out the excesses.
    the first part are useful and working (on my Johnson Adventurer)
dupes,
and FT-243 type. possibly someone has a use for them.
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get me direct for ur needs.
    Price is free, get out the bon-ami, toothpaste,and start grinding.
72 Jim kw3u

Date: Sat, 12 Aug 2000 16:56:42 -0500
From: "Gary Lee Phillips" <ka9nzi@arrl.net>
To: qrp-l@lehigh.edu
Cc: ALaurent@npr.org, aa4lr@radio.org
Subject: [77210] Re: Teaching 5 WPM Code
Message-ID: <200008122156.RAA13642@smtp6.mindspring.com>

> Was Morse's code intended to be sent mechanically (by
> machine) as well? And at what speed?

Yes, it was to be sent mechanically. The first prototype of an

automated sending tool used notched sticks that were drawn
through a spring-loaded lever.

-- Gary Phillips, Marengo, IL mailto:ka9nzi@arrl.net
   KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
   QRP-L #2124   http://www.qsl.net/ka9nzi/

Date: Sat, 12 Aug 2000 22:19:34 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: ALaurent@npr.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77211] Re: Teaching 5 WPM Code
Message-ID: <3995A346.7643986C@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Arthur Laurent wrote:
>
> Bill asks for the URL to Smithsonian Web Page on Morse. The best I could do
> on short notice was a pointer to it, at:
>
> http://lcweb2.loc.gov/ammem/atthtml/morse2.html
>
> You can click on the tape and get a closer look. The other pages will take

I did and wondered how come the code looks like international 'morse'
code, as currently used, which was supposedly invented/set up by
somebody in Germany rather than by Samuel Morse. How come it wasn't the
American Morse code that Samuel Morse used with his invention? I mean
the code with different length dashes etc. that was later used on the US
Railways?

73,
--
Arjen Raateland
OH2ZAZ

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Sat, 12 Aug 2000 18:25:30 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77212] K2 with ATU

Message-ID: <003b01c004ac$3b352ac0$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I sat down (OK, I stood at the bench) and built my ATU
this afternoon.

Everything seems to work, but when I did the adjustment for
C55, I couldn't get it to 000. I know, the addendum says
adjust for minimum, but the lowest I could get was 012. But
it seems to work, at least, so far. I have to make a balun yet
for my dipole, so maybe tomorrow I can do an on-air test...

Mike N1DVJ
K2# 1058

End of QRP-L Digest 1911
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